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## FACSIMILE COVER SHEET

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| **TO:** | Examiner Joseph E. Avellino<br>Group Art Unit 2143<br>Commissioner for Patents<br>P.O. Box 1450<br>Alexandria, VA 22313-1450 |
| **FROM:** | Daniel S. Glueck |
| **RE:** | Appln. No.: 09/559,118<br>Filing Date: 4/26/00<br>Applicant: Douglas M. Dillon<br>Atty. Docket No.: PD-N94026G |
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## MESSAGE

As you requested today, attached are draft claims for discussion purposes, in advance of the interview scheduled for Friday, March 26, 2004, at 10:00 am.

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**PLEASE CALL 202-530-1010 AS SOON AS POSSIBLE.**

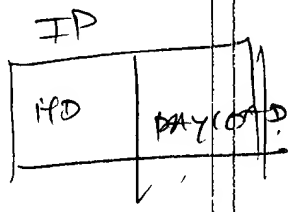
**Note:** We are transmitting from a Canon Model FAX-L770 (compatible with any Group I, Group II or Group III machine).

**FOR INTERVIEW DISCUSSION ONLY**
March 26, 2004



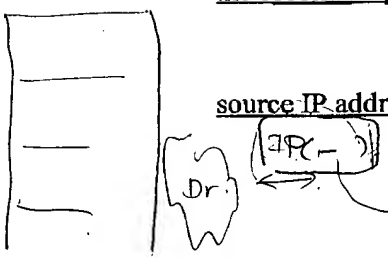
CLAIM SHEET 2

Please amend Claims 41, 44, 51, 60, 62, 63, 66, and 75 through 77 and add Claims 87 through 90 as follows:




1-40. (Cancelled)

41. (Currently Amended) A driver for use in a computing device having a TCP/IP stack, said driver ~~encapsulating~~ receiving a first IP packet from the TCP/IP stack of the computing device ~~within~~ and generating a second IP packet wherein the data field of the second IP packet comprises data determined in accordance with the first IP packet, and wherein the source IP address of the second IP packet is different from the source IP address of the first IP packet.




42. (Previously Presented) A driver according to Claim 41, wherein said driver sends the second IP packet onto a network.

stack

43. (Previously Presented) A driver according to Claim 42, wherein the network is the Internet.

44. (Currently Amended) A driver according to Claim 43, wherein an apparatus on the Internet receives the second IP packet and obtains the first IP packet ~~from~~ in accordance with the data field of the second IP packet.

IP. (trans-packet)

45. (Previously Presented) A driver according to Claim 44, wherein the apparatus on the Internet sends a packet comprising data from the data field of the first IP packet onto an IP network.

46. (Previously Presented) A driver according to Claim 44, wherein the apparatus on the Internet sends the first IP packet onto an IP network.

47. (Previously Presented) A driver according to Claim 46, wherein the first IP packet is addressed such that an IP packet sent by a second apparatus in response to the first IP packet is routed through the apparatus on the Internet.

48. (Previously Presented) A driver according to Claim 42, wherein when the TCP/IP stack generates an ARP request as part of transmitting the first IP packet through said driver, said driver generates an ARP response to the ARP request.

49. (Previously Presented) A driver according to Claim 43, wherein when the second IP packet is fragmented into a plurality of IP packets as a result of its packet size exceeding the MTU of the network, the plurality of IP packets are received by an apparatus on the Internet.

50. (Previously Presented) A driver according to Claim 49, wherein the apparatus on the Internet reassembles the plurality of IP packets into the second IP packet.

51. (Currently Amended) A driver according to Claim 50, wherein the apparatus on the Internet obtains the first IP packet ~~from~~ in accordance with the data field

of the second IP packet after reassembling the plurality of IP packets into the second IP packet.

52. (Previously Presented) A driver according to Claim 51, wherein the apparatus on the Internet sends the first IP packet onto a network.

53. (Previously Presented) A driver according to Claim 49, wherein said driver fragments the second IP packet into a plurality of IP packets in response to the packet size of the second IP packet exceeding an MTU.

54. (Previously Presented) A driver according to Claim 49, wherein the Internet is a cause of fragmentation of the second IP packet into a plurality of IP packets.

55. (Previously Presented) A driver according to Claim 41, wherein the computing device is a personal computing device.

56. (Previously Presented) A driver according to Claim 55, wherein the personal computing device is a personal computer.

57. (Previously Presented) A driver according to Claim 41, wherein said driver interfaces to the TCP/IP stack of the computing device using an ethernet device driver interface.

58. (Previously Presented) A driver according to Claim 41, wherein said driver interfaces to the TCP/IP stack of the computing device using a network driver interface specification.

59. (Previously Presented) A driver according to Claim 41, wherein said driver configures the TCP/IP stack of the computing device to have an MTU of 1500 bytes.

60. (Currently Amended) A driver for use in a computing device having a TCP/IP stack, said driver being configured to send ~~an~~ a first IP packet from the TCP/IP stack through an IP tunnel across a network,

wherein the source IP address of an IP packet of the IP tunnel is different from the source IP address of the first IP packet.

61. (Previously Presented) A driver according to Claim 60, wherein the network is the Internet.

62. (Currently Amended) A driver according to Claim 60, wherein an apparatus on the network receives the first IP packet ~~through~~ after its exit from the IP tunnel.

63. (Currently Amended) A driver according to Claim 62, wherein the apparatus on the network sends the received first IP packet towards its destination via a network.

64. (Previously Presented) A driver according to Claim 60, wherein the computing device is a personal computing device.

65. (Previously Presented) A driver according to Claim 64, wherein the personal computing device is a personal computer.

66. (Currently Amended) A driver for use in an apparatus, said driver comprising:

means for receiving from a TCP/IP stack of the apparatus a first IP packet having as its source IP address a first IP address and having as its destination IP address a second IP address;

means for ~~placing the first IP packet within~~ generating a second IP packet, the second IP packet having as its destination IP address an IP address of a gateway apparatus on the Internet, wherein the data field of the second IP packet comprises data determined in accordance with the first IP packet; and

means for sending the second IP packet onto the Internet addressed to the gateway apparatus,

wherein the gateway apparatus obtains the first IP packet ~~from~~ in accordance with the data field of the second IP packet, and

wherein the source IP address of the second IP packet is different from the source IP address of the first IP packet.

67. (Previously Presented) A driver according to Claim 66, wherein the gateway apparatus sends a packet comprising data from the data field of the first IP packet onto a network.

68. (Previously Presented) A driver according to Claim 66, wherein the gateway apparatus sends the first IP packet onto an IP network.

69. (Previously Presented) A driver according to Claim 68, wherein the first IP packet is addressed such that an IP packet sent by a second apparatus in response to the first IP packet is routed through the gateway apparatus.

70. (Previously Presented) A driver according to Claim 68, wherein when the TCP/IP stack generates an ARP request as part of transmitting the first IP packet through said driver, said driver generates an ARP response to the ARP request.

71. (Previously Presented) A driver according to Claim 68, wherein when the second IP packet is fragmented, by one or more of said driver and the Internet, into a plurality of IP packets as a result of its packet size, the plurality of IP packets are received by the gateway apparatus.

72. (Previously Presented) A driver according to Claim 71, wherein said driver fragments the second IP packet into a plurality of IP packets in response to the packet size of the second IP packet exceeding an MTU.

73. (Previously Presented) A driver according to Claim 71, wherein the Internet is a cause of fragmentation of the second IP packet into a plurality of IP packets.

74. (Previously Presented) A driver according to Claim 71, wherein the gateway apparatus reassembles the plurality of IP packets into the second IP packet.

75. (Currently Amended) A driver according to Claim 74, wherein the gateway apparatus obtains the first IP packet ~~from~~ in accordance with the data field of the second IP packet after reassembling the plurality of IP packets into the second IP packet.

76. (Currently Amended) An apparatus comprising:

an internet browser; and

a TCP/IP stack for use with said internet browser,

wherein said internet browser sends a packet across the Internet to a second apparatus through (a) said TCP/IP stack, (b) a level 3 tunnel between said TCP/IP stack of said apparatus and a gateway apparatus, and (c) means for transmitting packets from the gateway apparatus to the second apparatus,

wherein a level 3 source address of a packet of the level 3 tunnel is different from a source IP address of a packet received by the level 3 tunnel from said TCP/IP stack.

77. (Currently Amended) An apparatus according to Claim 76, wherein the level 3 tunnel comprises an IP tunnel, and wherein the means for transmitting packets from the gateway apparatus to the second apparatus is an IP network.

78. (Previously Presented) A personal computing device comprising:

a TCP/IP stack; and

a driver according to Claim 41.

79. (Previously Presented) A personal computing device comprising:

a TCP/IP stack; and

a driver according to Claim 60.

80. (Previously Presented) A personal computing device comprising:

a TCP/IP stack; and

a driver according to Claim 66.

81. (Previously Presented) A driver according to Claim 46, wherein an internet browser running on the computing device accesses a server through the TCP/IP stack of the computing device which sends a request to the server by way of said driver and the apparatus on the Internet,

wherein the server is on the IP network onto which the apparatus on the Internet sends the first IP packet.

82. (Previously Presented) A driver according to Claim 63, wherein an internet browser running on the computing device accesses a server through the TCP/IP stack of the computing device which sends a request to the server by way of said driver and the apparatus on the network.

83. (Previously Presented) A driver according to Claim 66, wherein an internet browser running on the apparatus accesses a server through the TCP/IP stack of the apparatus which sends a request to the server by way of said driver and the gateway apparatus.

84. (Previously Presented) A driver according to Claim 60, wherein said driver interfaces to the TCP/IP stack of the computing device using an ethernet device driver interface.

85. (Previously Presented) A driver according to Claim 60, wherein said driver interfaces to the TCP/IP stack of the computing device using a network driver interface specification.

86. (Previously Presented) An apparatus according to Claim 76, wherein the connection between the gateway apparatus and the second apparatus is a network connection.

87. (New) A driver according to Claim 41, wherein the data field of the second IP packet comprises the first IP packet.

88. (New) A driver according to Claim 87, wherein the data field of the second IP packet consists of the first IP packet.

89. (New) A driver according to Claim 66, wherein the data field of the second IP packet comprises the first IP packet.

90. (New) A driver according to Claim 89, wherein the data field of the second IP packet consists of the first IP packet.

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